Electrical / Environmental

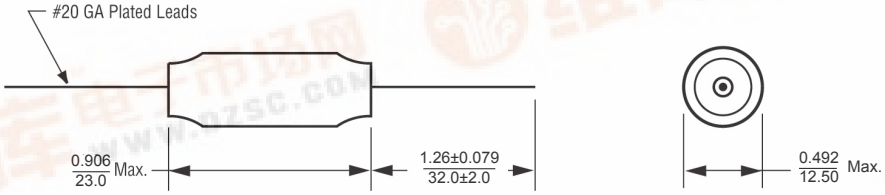
HM51

RoHS Compliant

Axially Leaded Miniature Power Inductors

- Inductance Range 3.9µH to 10,000µH
- Standard Tolerance ±10%
- Operating Temperature Range -55C to +105°C

Outline Dimensions (Inch / mm)



Specifications @ 25°C

Part Number	Inductance Nominal (1) µH ±10%	DC Resistance Ω	Rated IDC (2) Amps	INCR IDC (3) Amps	Part Number	Inductance Nominal (1) µH ±10%	DC Resistance Ω	Rated IDC (2) Amps	INCR IDC (3) Amps
HM51-3R9KLF	3.9	.007	8.40	15.5	HM51-221KLF	220	.162	1.76	1.89
HM51-4R7KLF	4.7	.008	7.90	13.9	HM51-271KLF	270	.208	1.55	1.63
HM51-5R6KLF	5.6	.011	6.70	12.6	HM51-331KLF	330	.212	1.53	1.51
HM51-6R8KLF	6.8	.011	6.70	11.6	HM51-391KLF	390	.281	1.33	1.39
HM51-8R2KLF	8.2	.013	6.20	9.89	HM51-471KLF	470	.380	1.15	1.24
HM51-100KLF	10	.017	5.40	8.70	HM51-561KLF	560	.420	1.10	1.17
HM51-120KLF	12	.019	5.10	8.21	HM51-681KLF	680	.548	0.96	1.05
HM51-150KLF	15	.022	4.70	7.34	HM51-821KLF	820	.655	0.87	0.97
HM51-180KLF	18	.023	4.70	6.64	HM51-102KLF	1,000	.844	0.77	0.87
HM51-220KLF	22	.026	4.40	6.07	HM51-122KLF	1,200	1.04	0.70	0.79
HM51-270KLF	27	.027	4.30	5.36	HM51-152KLF	1,500	1.18	0.65	0.70
HM51-330KLF	33	.032	4.00	4.82	HM51-182KLF	1,800	1.56	0.57	0.64
HM51-390KLF	39	.033	3.90	4.36	HM51-222KLF	2,200	2.00	0.50	0.58
HM51-470KLF	47	.035	3.80	3.98	HM51-272KLF	2,700	2.06	0.50	0.53
HM51-560KLF	56	.037	3.70	3.66	HM51-332KLF	3,300	2.63	0.44	0.47
HM51-680KLF	68	.047	3.30	3.31	HM51-392KLF	3,900	2.75	0.43	0.43
HM51-820KLF	82	.060	2.90	3.10	HM51-472KLF	4,700	3.19	0.40	0.39
HM51-101KLF	100	.090	2.30	2.79	HM51-562KLF	5,600	3.92	0.36	0.359
HM51-121KLF	120	.113	2.10	2.54	HM51-682KLF	6,800	5.69	0.30	0.322
HM51-151KLF	150	.129	2.00	2.22	HM51-822KLF	8,200	6.32	0.28	0.293
HM51-181KLF	180	.150	1.80	1.98	HM51-103KLF	10,000	7.30	0.26	0.266

Notes:
(1) Inductance is measured at 1kHz without DC current.
(2) The rated DC current is based on an approximate 20°C temperature rise.
(3) The incremental current (INCR I) is the approximate current at which the inductance will be decreased by 5% from its initial (zero DC) value due to saturation.

Packaging

Standard: Boxes

Capacity = 800 Units

Ordering Information

HM51 330 K LF

- HM51 — Model Series
- 330 — Inductance Code: First 2 digits are significant. Last digit denotes the number of trailing zeros. For values below 10µH, "R" denotes the decimal point.
- K — Inductance Tolerance: J = ±5%, K = ±10%, M = ±20%
- LF — Lead Free